



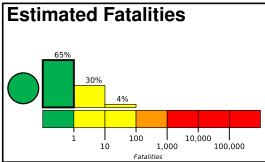


PAGER Version 4

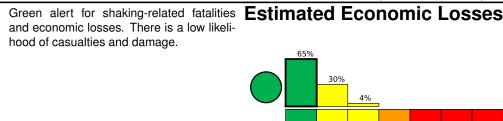
Created: 1 day, 0 hours after earthquake

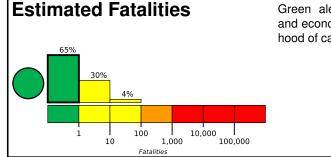
M 5.5, 34 km SW of Hihifo, Tonga

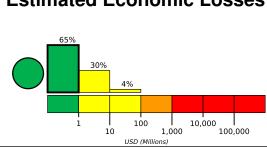
Origin Time: 2022-02-22 10:44:09 UTC (Mon 22:44:09 local) Location: 16.1408° S 174.0505° W Depth: 159.1 km



and economic losses. There is a low likeli-





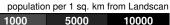


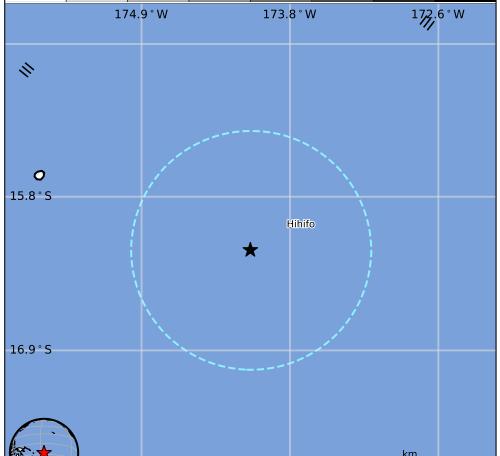
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	1k*	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure





Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are informal (metal, timber, GI etc.) and unknown/miscellaneous types construction.

Historical Earthquakes

Date		Dist.	Mag.	Max	Shaking	
	(UTC)	(km)		MMI(#)	Deaths	
	1987-10-06	285	7.2	IV(19k)	_	
	1999-01-05	262	5.9	VII(15k)	_	
	2006-09-28	225	6.9	IV(197k)	0	

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Hihifo	1k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

https://earthquake.usgs.gov/earthquakes/eventpage/us7000gmx3#pager

Event ID: us7000gmx3